

Title (en)
Circuit protection device.

Title (de)
Schaltungsschutzeinrichtung.

Title (fr)
Dispositif de protection d'un circuit.

Publication
EP 0261939 A2 19880330 (EN)

Application
EP 87308389 A 19870922

Priority
GB 8623176 A 19860926

Abstract (en)
A circuit protection device for protecting an electrical circuit from a voltage transient, e.g. a voltage transient caused by an electrostatic discharge, lightning or a nuclear electromagnetic pulse, comprises a threshold switching element formed from an amorphous composition comprising arsenic, sulphur, and optionally germanium, and a pair of electrodes in contact with the composition. The devices generally exhibit a good balance of physical properties including switching speed, energy required to latch them in their low resistance state, high resistance state (off) resistance, threshold voltage and capacitance, which enables them to be used successfully to protect electrical circuits from such transients.

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H02H 9/04; H01L 45/00

IPC 8 full level
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CPC (source: EP US)
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